

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number  
**WO 2005/072356 A2**

(51) International Patent Classification: Not classified

(21) International Application Number:  
PCT/US2005/002442

(22) International Filing Date: 26 January 2005 (26.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/538,508 26 January 2004 (26.01.2004) US

(71) Applicant (for all designated States except US):  
PASSEVER, INC. [US/US]; 1209 Orange Street,  
Corporation Trust Center, Wilmington, DE 19801-1196  
(US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ZUSSMAN,  
Mordechai [IL/IL]; 41 Nanarkisim St., 27216 Kiriat

Bialik (IL). GOLOMBEK, Harel [IL/IL]; 3 Gur St.,  
42493 Netanya (IL). SHKLARSKY, Dan [IL/IL]; 9 Yona  
Engel St., 34952 Hifa (IL).

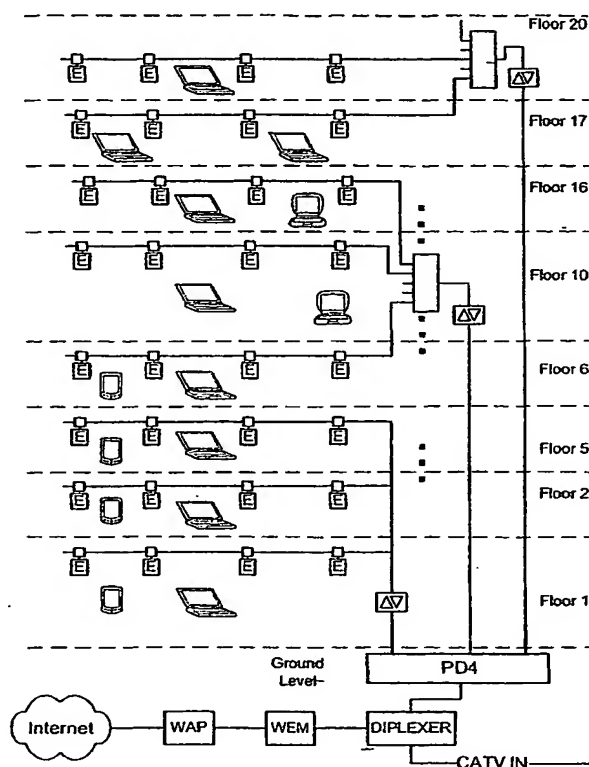
(74) Agents: HYNDMAN, Kelly, G. et al.; 2100 Pennsylva-  
nia Avenue, N.W., Suite 800, Washington, DC 20037-3213  
(US).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: WLAN SERVICES OVER CATV USING CSMA/CA



(57) Abstract: A communication system that provides access within an analog portion of a WLAN system, namely in its RF propagation-radiation section. The network includes a wireless entrance module (WEM) and a wireless access point (AP) interfaced to the CATV network at a wireless entrance module (WEM). Further, an Enhanced In Door WiFi Unit (EID-WiFi) is connected to the CATV network. The WEM includes downstream carrier sensing of uplink signals and retransmitting the uplink signals back to the downstream path. As such, signals sent according to a WLAN terminal communications protocol traverse the CATV network, without modification, using CSMA/CA.

WO 2005/072356 A2



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— *without international search report and to be republished upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*